

whereby science can be used to stimulate the reading program, the language arts, the fine and practical arts, the health program, mathematics and the social studies. The author shows that a well-organized science unit can be developed which will include and maintain a balanced emphasis and desirable relationships with all the areas of learning. True scientific learning is a democratic procedure where many pupils cooperate in solving common problems and such problems usually involve more than science.

In the chapters dealing with methods

of teaching the various phases of science, the author has contributed his most fruitful work. General description has been held to a minimum. The why and the how have received major emphasis. Each chapter contains many questions asked and those likely to be asked by children. Methods of procedure in answering these questions are suggested and discussed. It is in these chapters that the teacher will find a wealth of teaching aids and suggestions whereby she can use her own ingenuity.

The text has an abundance of excellent photographs of children at work

performing scientific experiments. Numerous drawings will help the teacher in preparing apparatus for experiments. Since most of the material needed for building the apparatus is not costly and much of it can be secured in the home, the teacher will welcome these aids.

At the end of each chapter in the text is a useful study guide. There are included, also, topical references which the teacher can use to advantage.

G. David Koch  
Professor of Geography  
Indiana State Teachers College

## *The Teachers College Journal*

### **VOLUME INDEX**

**Volume XXVIII, October, 1956 – May, 1957 Nos. 1-6**

### **Title Index**

Abstracts of Theses, November, 1956, No. 2, pp. 28-32.

"A Community Unit for the Physically Handicapped," Tony Milazzo, March, 1957, No. 5, pp. 85-86.

"An Analysis of Certain Acting Editions and Promptbooks of Plays by Dion Boucicault," Gladys M. Rohrig, November, 1956, No. 2, p. 23.

"An Evaluation of Some Efforts to Improve the Social Adjustment of a Few Selected Second Grade Pupils," Merle E. Bonney and Mary Glenn Peery, November, 1956, No. 2, pp. 16-19.

"A Study of School Board In-Service Training Techniques," Harley Lautenschlager, November, 1956, No. 2, pp. 24-26.

Book Reviews, October, 1956, No. 1, pp. 11-12; November, 1956, No. 2, p. 32; January, 1957, No. 4, pp. 61-62; May, 1957, No. 6, pp. 111-114.

"Characteristics of an Effective Learning Situation," Herbert J. Klausmeier, October, 1956, No. 1, pp. 2-6.

"Chemistry and Physics—One Class," Galen W. Bull, March, 1957, No. 5, pp. 89-90.

"College and University Counseling," William Howard (Panel Reports—Guidance Conference), December, 1956, No. 3, pp. 38-39.

"Community Services and Occupational Information," Lee E. Isaacson (Panel Reports—Guidance Conference), December, 1956, No. 3, p. 42.

"Conference Summary," Edward S. Bordin (Guidance Conference), December, 1956, No. 3, pp. 42-43.

"Council on Personnel Relations and Personnel Welfare," Frances Williams, March, 1957, No. 5, pp. 79-80.

"Counselor Training and Research," Joseph Hollis (Panel Reports—Guidance Conference), December, 1956, No. 3, pp. 39-40.

"Factors Influencing Vocational Choice," Edward S. Bordin (Guidance Conference), December, 1956, No. 3, pp. 33-38.

"First Interim Report to the President," Devereux C. Josephs (The President's Committee on Education Beyond the High School), January, 1957, No. 4, pp. 55-59.

Guidance Conference (Sponsored by Central Indiana Branch, American Personnel and Guidance Association and

Indiana State Teachers College), December, 1956, No. 3, pp. 33-42.

"Human Relations in a Second Grade Classroom," Agnes Dodds, March, 1957, No. 5, pp. 82-83.

"New Social Roles for Adolescents," Israel Woronoff, October, 1956, No. 1, pp. 9-10.

Ninth Indiana Workshop on Teacher Education, "Understanding and Improving Indiana Teacher Certification," January, 1957, No. 4, pp. 49-54.

"Oklahoma's Fifth-Year Program," James F. Rogers, October, 1956, No. 1, p. 8.

"Personal-Social Development," Alice Funfar, March, 1957, No. 5, pp. 83-85.

"Plan Your Play—Play Your Plan," Carl E. Bickley, March, 1957, No. 5, pp. 88-89.

"Private and Industrial Counseling," Lowell L. Holmes (Panel Reports—Guidance Conference), December, 1956, No. 3, p. 40.

"Proposed Industrial Arts Curriculum, Laboratory School, I.S.T.C.," Elmer Ciancone and Braxton Duvall, March, 1957, No. 5, pp. 86-88.

"Reconsidering Music in the Elementary School," Viola Peterson, March, 1957, No. 5, pp. 81-82.

"Rehabilitation Counseling," Durand F. Jacobs (Panel Reports—Guidance Conference), December, 1956, No. 3, pp. 40-41.

whereby science can be used to stimulate the reading program, the language arts, the fine and practical arts, the health program, mathematics and the social studies. The author shows that a well-organized science unit can be developed which will include and maintain a balanced emphasis and desirable relationships with all the areas of learning. True scientific learning is a democratic procedure where many pupils cooperate in solving common problems and such problems usually involve more than science.

In the chapters dealing with methods

of teaching the various phases of science, the author has contributed his most fruitful work. General description has been held to a minimum. The why and the how have received major emphasis. Each chapter contains many questions asked and those likely to be asked by children. Methods of procedure in answering these questions are suggested and discussed. It is in these chapters that the teacher will find a wealth of teaching aids and suggestions whereby she can use her own ingenuity.

The text has an abundance of excellent photographs of children at work

performing scientific experiments. Numerous drawings will help the teacher in preparing apparatus for experiments. Since most of the material needed for building the apparatus is not costly and much of it can be secured in the home, the teacher will welcome these aids.

At the end of each chapter in the text is a useful study guide. There are included, also, topical references which the teacher can use to advantage.

G. David Koch  
Professor of Geography  
Indiana State Teachers College

## *The Teachers College Journal*

### **VOLUME INDEX**

**Volume XXVIII, October, 1956 – May, 1957 Nos. 1-6**

### **Title Index**

Abstracts of Theses, November, 1956, No. 2, pp. 28-32.

"A Community Unit for the Physically Handicapped," Tony Milazzo, March, 1957, No. 5, pp. 85-86.

"An Analysis of Certain Acting Editions and Promptbooks of Plays by Dion Boucicault," Gladys M. Rohrig, November, 1956, No. 2, p. 23.

"An Evaluation of Some Efforts to Improve the Social Adjustment of a Few Selected Second Grade Pupils," Merle E. Bonney and Mary Glenn Peery, November, 1956, No. 2, pp. 16-19.

"A Study of School Board In-Service Training Techniques," Harley Lautenschlager, November, 1956, No. 2, pp. 24-26.

Book Reviews, October, 1956, No. 1, pp. 11-12; November, 1956, No. 2, p. 32; January, 1957, No. 4, pp. 61-62; May, 1957, No. 6, pp. 111-114.

"Characteristics of an Effective Learning Situation," Herbert J. Klausmeier, October, 1956, No. 1, pp. 2-6.

"Chemistry and Physics—One Class," Galen W. Bull, March, 1957, No. 5, pp. 89-90.

"College and University Counseling," William Howard (Panel Reports—Guidance Conference), December, 1956, No. 3, pp. 38-39.

"Community Services and Occupational Information," Lee E. Isaacson (Panel Reports—Guidance Conference), December, 1956, No. 3, p. 42.

"Conference Summary," Edward S. Bordin (Guidance Conference), December, 1956, No. 3, pp. 42-43.

"Council on Personnel Relations and Personnel Welfare," Frances Williams, March, 1957, No. 5, pp. 79-80.

"Counselor Training and Research," Joseph Hollis (Panel Reports—Guidance Conference), December, 1956, No. 3, pp. 39-40.

"Factors Influencing Vocational Choice," Edward S. Bordin (Guidance Conference), December, 1956, No. 3, pp. 33-38.

"First Interim Report to the President," Devereux C. Josephs (The President's Committee on Education Beyond the High School), January, 1957, No. 4, pp. 55-59.

Guidance Conference (Sponsored by Central Indiana Branch, American Personnel and Guidance Association and

Indiana State Teachers College), December, 1956, No. 3, pp. 33-42.

"Human Relations in a Second Grade Classroom," Agnes Dodds, March, 1957, No. 5, pp. 82-83.

"New Social Roles for Adolescents," Israel Woronoff, October, 1956, No. 1, pp. 9-10.

Ninth Indiana Workshop on Teacher Education, "Understanding and Improving Indiana Teacher Certification," January, 1957, No. 4, pp. 49-54.

"Oklahoma's Fifth-Year Program," James F. Rogers, October, 1956, No. 1, p. 8.

"Personal-Social Development," Alice Funfar, March, 1957, No. 5, pp. 83-85.

"Plan Your Play—Play Your Plan," Carl E. Bickley, March, 1957, No. 5, pp. 88-89.

"Private and Industrial Counseling," Lowell L. Holmes (Panel Reports—Guidance Conference), December, 1956, No. 3, p. 40.

"Proposed Industrial Arts Curriculum, Laboratory School, I.S.T.C.," Elmer Ciancone and Braxton Duvall, March, 1957, No. 5, pp. 86-88.

"Reconsidering Music in the Elementary School," Viola Peterson, March, 1957, No. 5, pp. 81-82.

"Rehabilitation Counseling," Durand F. Jacobs (Panel Reports—Guidance Conference), December, 1956, No. 3, pp. 40-41.

"Reporting to Parents," Virginia Westerberg, Harriet Darrow and Mary Claire Hamrick, March, 1957, No. 5, pp. 71-73.

"Research in the Public Schools," (Editorial), Charles Hardaway, November, 1956, No. 2, p. 15.

"Room to Spare," Marvin Bell, Marjorie Causey, Elmer Ciancone, Virginia Mitchell and Charles Syester, March, 1957, No. 5, pp. 67-69ff.

"Secondary School Counseling," Earl Pike (Panel Reports—Guidance Conference), December, 1956, No. 3, p. 38.

"Some Attitudes of Elementary Teachers Toward the Use of Teachers' Aides," Charles Hardaway, November, 1956, No. 2, pp. 20-22.

"Some Implications of Trends in College Enrollments," Raleigh W. Holmstedt, May, 1957, No. 6, pp. 93-94.

"Summary Report of the Eighth Annual Conference for Supervising Teachers," May, 1957, No. 6, pp. 105-111.

"Teacher Tenure in the Reorganized School Districts in Indiana," Fred Swalls, May, 1957, No. 6, pp. 94-95.

"The Basic Technical Terminology of the Petroleum Industry," Leone Orner, November, 1956, No. 2, pp. 27-28.

"The Council on Professional Laboratory Experience," Florise Hunsucker, March, 1957, No. 5, pp. 74-79.

"The Development of a Language Laboratory for More Effective Second Language Teaching," Russell McDougal, May, 1957, No. 6, pp. 98-101.

"The Diagonal Meets at 2:20 Today," Edmund Ford, March, 1957, No. 5, pp. 64-67.

"The Fifth Year in Teacher Education," Elmer J. Clark, May, 1957, No. 6, pp. 95-98.

"The Individual Conference in Supervision," James J. Jones, October, 1956, No. 1, pp. 10-11.

"The Laboratory School Safety Patrol Organization and Activities," Virginia L. Mitchell, Myrtle Smith and Charles E. Syester, March, 1957, No. 5, pp. 70-71.

"The Physically Handicapped: Six Years of Progress," Dewey J. Moore, May, 1957, No. 6, pp. 104-105.

"The Place to Start," (Editorial) Charles Hardaway, October, 1956, No. 1, p. 1.

"The Research Council," Anne Carle, March, 1957, No. 5, pp. 80-81.

"The Role of the Laboratory School," Harley Lautenschlager, March, 1957, No. 5, p. 63.

"The Story of Indiana Place-Names," C. H. Handschin, May, 1957, No. 6, pp. 101-104.

"The Student and His Library," Robert L. Coard, December, 1956, No. 3, pp. 45-46.

"The World's Great Religions and the High School Student," George Schottenhamel, March, 1957, No. 5, pp. 90-92.

"Tribute to Edwin Nelson Canine," Meribah Clark, January, 1957, No. 4, pp. 59-61.

"We Now Offer the Master's Degree," A. R. Gaskill, October, 1956, No. 1, pp. 6-8.

"What Should Teachers Know About the English Language?" Ralph B. Long, January, 1957, No. 4, pp. 47-49.

"Who Should Build the School Curriculum?" Harold H. Stephenson, December, 1956, No. 3, pp. 43-44.

"Words and Music," Martha Pearman and Elizabeth Weller, March, 1957, No. 5, pp. 73-74.

Bonney, Merl E., and Mary Glenn Peery, "An Evaluation of Some Efforts to Improve the Social Adjustment of a Few Selected Second Grade Pupils," November, 1956, No. 2, pp. 16-19.

Book Reviews, October, 1956, No. 1, pp. 11-12; November, 1956, No. 2, p. 32; January, 1957, No. 4, pp. 61-62; May, 1957, No. 6, pp. 111-114.

Bordin, Edward S., "Conference Summary," (Guidance Conference), December, 1956, No. 3, pp. 42-43; "Factors Influencing Vocational Choice," December, 1956, No. 3, pp. 33-38.

Bull, Galen W., "Chemistry and Physics—One Class," March, 1957, No. 5, pp. 89-90.

Carle, Anne, "The Research Council," March, 1957, No. 5, pp. 80-81.

Causey, Marjorie and others, "Room to Spare," March, 1957, No. 5, pp. 67-69ff.

Ciancone, Elmer, and Braxton Duvall, "Proposed Industrial Arts Curriculum, Laboratory School, I.S.T.C.," March, 1957, No. 5, pp. 86-88.

Ciancone, Elmer and others, "Room to Spare," March, 1957, No. 5, pp. 67-69 ff.

Clark, Elmer J., "The Fifth Year in Teacher Education," May, 1957, No. 6, pp. 95-98.

Clark, Meribah, "Tribute to Edwin Nelson Canine," January, 1957, No. 4, pp. 59-61.

Coard, Robert L., "The Student and His Library," December, 1956, No. 3, pp. 45-46.

Darrow, Harriet, and others, "Reporting to Parents," March, 1957, No. 5, pp. 71-73.

Dodds, Agnes, "Human Relations in a Second Grade Classroom," March, 1957, No. 5, pp. 82-83.

Duvall, Braxton and Elmer Ciancone, "Proposed Industrial Arts Curriculum, Laboratory School, I.S.T.C.," March, 1957, No. 5, pp. 86-88.

Ford, Edmund, "The Diagonal Meets at 2:20 Today," March, 1957, No. 5, pp. 64-67.

## Author Index

Abstracts of Theses, November, 1956, No. 2, pp. 28-32.

Bell, Marvin, and others, "Room to Spare," March, 1957, No. 5, pp. 67-69ff.

Bickley, Carl E., "Plan Your Play—Play Your Plan," March, 1957, No. 5, pp. 88-89.

Funfar, Alice, "Personal-Social Development," March, 1957, No. 5, pp. 83-85.

Gaskill, A. R., "We Now Offer the Master's Degree," October, 1956, No. 1, pp. 6-8.

Guidance Conference (Sponsored by Central Indiana Branch, American Personnel and Guidance Association and Indiana State Teachers College), December, 1956, No. 3, pp. 33-42.

Hamrick, Mary Claire and others, "Reporting to Parents," March, 1957, No. 5, pp. 71-73.

Handschin, C. H., "The Story of Indiana Place-Names," May, 1957, No. 6, pp. 101-104.

Hardaway, Charles, "Some Attitudes of Elementary Teachers Toward the Use of Teachers' Aides," November, 1956, No. 2, pp. 20-22; "The Place to Start," (Editorial), October, 1956, No. 1, p. 1; "Research in the Public Schools," (Editorial), November, 1956, No. 2, p. 15.

Hollis, Joseph, "Counselor Training and Research," (Panel Reports—Guidance Conference), December, 1956, No. 3, pp. 39-40.

Holmstedt, Raleigh W., "Some Implications of Trends in College Enrollment, May, 1957, No. 6, pp. 93-94.

Howard, William, "College and University Counseling," (Panel Reports—Guidance Conference), December, 1956, No. 3, pp. 38-39.

Hunsucker, Florise, "The Council on Professional Laboratory Experiences," March, 1957, No. 5, pp. 74-79.

Isaacson, Lee E., "Community Services and Occupational Information," (Panel Reports—Guidance Conference), December, 1956, No. 3, p. 42.

Jacobs, Durand F., "Rehabilitation Counseling," (Panel Reports—Guidance Conference), December, 1956, No. 3, pp. 40-41.

Jones, James J., "The Individual Conference in Supervision," October, 1956, No. 1, pp. 10-11.

Josephs, Devereux C., "First Interim Report to the President," (The President's Committee on Education Beyond the High School), January, 1957, No. 4, pp. 55-59.

Klausmeier, Herbert J., "Characteristics of an Effective Learning Situation," October, 1956, No. 1, pp. 2-6.

Lautenschlager, Harley, "A Study of School Board In-Service Training Techniques," November, 1956, No. 2, pp. 24-26; "The Role of the Laboratory School," March, 1957, No. 5, p. 63.

Long, Ralph B., "What Should Teachers Know About the English Language?" January, 1957, No. 4, pp. 47-49.

McDougal, Russell, "The Development of a Language Laboratory for More Effective Second Language Teaching," May, 1957, No. 6, pp. 98-101.

Milazzo, Tony, "A Community Unit for the Physically Handicapped," March, 1957, No. 5, pp. 85-86.

Mitchell, Virginia, and others, "Room to Spare," March, 1957, No. 5, pp. 67-69ff; "The Laboratory School Safety Patrol Organization and Activities," March, 1957, No. 5, pp. 70-71.

Moore, Dewey J., "The Physically Handicapped: Six Years of Progress," May, 1957, No. 6, pp. 104-105.

Ninth Indiana Workshop on Teacher Education—Understanding and Improving Indiana Teacher Certification, January, 1957, No. 4, pp. 49-54.

Orner, Leone, "The Basic Technical Terminology of the Petroleum Industry," November, 1956, No. 2, pp. 27-28.

Pearman, Martha and Elizabeth Weller, "Words and Music," March, 1957, No. 5, pp. 73-74.

Peery, Mary Glenn and Merl E. Bonney, "An Evaluation of Some Efforts to Improve the Social Adjustment of a Few Selected Second Grade Pupils," November, 1956, No. 2, pp. 16-19.

Peterson, Viola "Reconsidering Music in the Elementary School," March, 1957, No. 5, pp. 81-82.

Pike, Earl, "Secondary School Counseling," (Panel Reports—Guidance Conference), December, 1956, No. 3, p. 38.

Rogers, James F., "Oklahoma's Fifth-Year Program," October, 1956, No. 1, p. 8.

Rohrig, Gladys M., "An Analysis of Certain Acting Editions and Promptbooks of Plays by Dion Boucicault," November, 1956, No. 2, p. 23.

Schottenhamel, George, "The World's Great Religions and the High School Student," March, 1957, No. 5, pp. 90-92.

Smith, Myrtle and others, "The Laboratory School Safety Patrol Organization and Activities," March, 1957, No. 5, pp. 70-71.

Stephenson, Harold H., "Who Should Build the School Curriculum," December, 1956, No. 3, pp. 43-44.

"Summary Report of the Eighth Annual Conference for Supervising Teachers," May, 1957, No. 6, pp. 105-11.

Swalls, Fred, "Teacher Tenure in the Reorganized School Districts in Indiana," May, 1957, No. 6, pp. 94-95.

Syester, Charles and others, "Room to Spare," March, 1957, No. 5, pp. 67-69ff; "The Laboratory School Safety Patrol Organization and Activities," March, 1957, No. 5, pp. 70-71.

Weller, Elizabeth and Martha Pearman, "Words and Music," March, 1957, No. 5, pp. 73-74.

Westerberg, Virginia and others, "Reporting to Parents," March, 1957, No. 5, pp. 71-73.

Williams, Frances, "Council on Personnel Relations and Personnel Welfare," March, 1957, No. 5, pp. 79-80.

Woronoff, Israel, "New Social Roles for Adolescents," October, 1956, No. 1, pp. 9-10.